

Patent Abstracts of Japan

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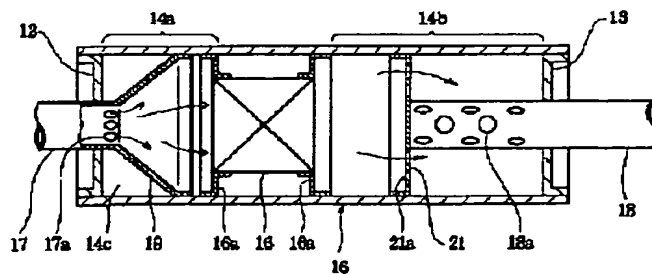
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TITLE : MUFFLER WITH BUILT-IN CATALYST



ABSTRACT : **PROBLEM TO BE SOLVED:** To provide a muffler with a built-in catalyst to have a high muffling effect and reduce the generation of a back pressure by effectively utilizing a space.

SOLUTION: A muffler with a built-in catalyst comprises a tubular muffler body provided at two ends with a pair of first and second end plates 12 and 13, a monolith catalyst 16 arranged in the muffler body and partitioning the interior of the muffler body into an inlet chamber 14a and an outlet chamber 14b, an inlet pipe 17 arranged in a state to extend through a first end plate 12 and having a plurality of first ventilation holes 17a formed in a part fronting on the inlet chamber 14a, an outlet pipe 18 arranged in a state to extend through a second end plate 13 and having a plurality of second ventilation holes 18a formed in a part fronting on the outlet chamber 14b, and a cone body 19 for dispersing exhaust gas having one end connected to the end part of an inlet pipe 17 fronting on the inlet chamber 14a and the other end adhered on the inner peripheral surface of the inlet chamber 14a of the muffler body 14. A resonance sound absorbing chamber 14c communicated with the first ventilation hole 17a is formed at the outside of the cone body 19 for dispersing exhaust gas of the inlet chamber 14a.

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